

Carbapenem-Resistant Organisms

Isolate Submission to the CDPHE Laboratory

Non-EIP Laboratories, November 1, 2016

Carbapenem-Resistant Enterobacteriaceae (CRE)

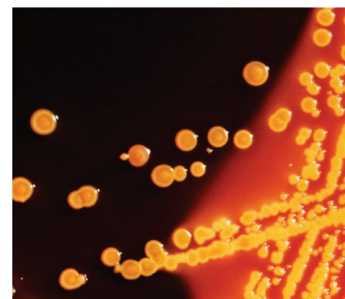
Isolates that meet all of the following criteria should be sent to the CDPHE laboratory for PCR testing:

Organism is one of the following:

- *Escherichia coli*
- *Klebsiella* species
- *Enterobacter* species

And is resistant to two or more carbapenems (based on current CLSI breakpoints):

- ◇ Doripenem (MIC ≥ 4 or ≤ 19 mm)
- ◇ Imipenem (MIC ≥ 4 or ≤ 19 mm)
- ◇ Meropenem (MIC ≥ 4 or ≤ 19 mm)
- ◇ Ertapenem (MIC ≥ 2 or ≤ 18 mm)



Carbapenem-Resistant *Pseudomonas aeruginosa* (CRPA)

Isolates that meet the following criteria should be sent to the CDPHE laboratory for further testing: *P. aeruginosa* resistant to one or more carbapenems (based on current CLSI breakpoints) from any specimen site:

- ◇ Doripenem or Imipenem or Meropenem (MIC ≥ 8 or ≤ 15 mm)

Mucoid isolates do not need to be saved.

Isolate Submission Instructions

Clinical laboratories can send **pure subcultures** on appropriate swabs, slants, or plates, including **Amies or Stuart's swabs (or comparable transport swabs)**, **trypticase soy agar (TSA)**, **blood agar** or **chocolate agar**. If these plates contain multiple subcultures from several clinical specimens, please mark the portion of the plate with the organism of interest (e.g., CRE) accordingly. If convenient, clinical laboratories may send isolates as frozen samples or on slants. Seal the culture plate, place into a specimen collection container, and **store in a 4 degree Celsius refrigerator**. Plates should be labeled with a unique identifier for the clinical laboratory (i.e., accession number).

Please send isolates and requisition form to 8100 Lowry Blvd, Denver, CO 80230.

Please fax positive test results to the Communicable Disease Branch: 303.782.0338



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Thank you for your partnership!

For questions, please contact Sarah Janelle at
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